

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

HODES, Alan, S.
Morrison & Foerster, LLP
755 Page Mill Road
Palo Alto, CA 94304-1018
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 01 November 2001 (01.11.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 514592000140	
International application No. PCT/US00/26631	International filing date (day/month/year) 28 September 2000 (28.09.00)

1. The following indications appeared on record concerning:

☐ the applicant ☐ the inventor ☒ the agent ☐ the common representative

Name and Address

HODES, Alan, S.
McCutchen, Doyle, Brown & Enersen,
LLP
Three Embarcadero Center
San Francisco, CA 94111
United States of America

State of Nationality

State of Residence

Telephone No.

650 849 4950

Facsimile No.

650 849 4800

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☐ the name ☒ the address ☐ the nationality ☐ the residence

Name and Address

HODES, Alan, S.
Morrison & Foerster, LLP
755 Page Mill Road
Palo Alto, CA 94304-1018
United States of America

State of Nationality

State of Residence

Telephone No.

650 849 4950

Facsimile No.

650 849 4800

Teleprinter No.

3. Further observations, if necessary:

Please note the new agent's file reference number.

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☒ the International Preliminary Examining Authority ☐ other:

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No.: (41-22) 740.14.35</p>	<p>Authorized officer</p> <p>Anne KARKACHI</p> <p>Telephone No.: (41-22) 338.83.38</p>
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PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

Date of mailing (day/month/year)
17 July 2001 (17.07.01)

International application No.
PCT/US00/26631

Applicant's or agent's file reference
23013-702PCT

International filing date (day/month/year)
28 September 2000 (28.09.00)

Priority date (day/month/year)
29 September 1999 (29.09.99)

Applicant

PETROVSKAYA, Anna

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

24 April 2001 (24.04.01)

☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Charlotte ENGER

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 23013-702PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/ 26631	International filing date (day/month/year) 28/09/2000	(Earliest) Priority Date (day/month/year) 29/09/1999
Applicant PETROVSKAYA, Anna		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

SYSTEM TO COORDINATE THE EXECUTION OF A PLURALITY OF SEPARATE COMPUTER SYSTEMS TO EFFECTUATE A PROCESS

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

2



None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/26631

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F9/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DAVID HOLLINGSWORTH: "The Workflow Reference Model" WORKFLOW MANAGEMENT COALITION SPECIFICATION, 29 January 1995 (1995-01-29), pages 1-55, XP002154804 page 6, line 1 -page 7, line 6; figures 1-4,6,7,11-13 page 8, line 1 - last line page 12, line 17 -page 14, line 15 page 16, line 4 - line 7 page 22, line 14 -page 23, last line page 25, line 19 -page 26, line 20 page 28, line 8 - line 10 page 31, line 1 - line 23 page 35, line 19 -page 37, line 23 page 38, line 20 - line 28 page 44, line 1 -page 45, last line	1,2,4-6, 10-13, 15-18, 25-35
A	-/--	23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

27 June 2001

Date of mailing of the international search report

04/07/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Carciofi, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/26631

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 0 853 277 A (CROSSROADS SOFTWARE INC) 15 July 1998 (1998-07-15)</p> <p>column 1, line 46 - line 52 column 2, line 14 - line 24 column 4, line 46 - column 5, line 2 column 5, line 35 - line 45 column 13, line 46 - line 56 column 16, line 6 - line 57 column 19, line 58 - column 20, line 58</p>	1,2,6,7, 13,14, 19-21,25
Y		22,24
X	<p>US 5 892 905 A (BROWN KENNETH EDGAR ET AL) 6 April 1999 (1999-04-06) abstract; figure 4 column 8, line 1 - column 9, line 51 column 14, line 57 - column 15, line 24 column 19, line 10 - column 20, line 20</p>	1-3,6,8, 9,25
Y		22,24
X	<p>US 5 530 861 A (DIAMANT JOHN R ET AL) 25 June 1996 (1996-06-25) column 2, line 5 - column 3, line 2 column 4, line 17 - line 61 column 5, line 29 - line 37 column 7, line 61 - column 8, line 57 column 12, line 56 - line 66 column 16, line 44 - line 48</p>	1,2,6,7, 16-19,25
X	<p>US 5 937 388 A (DAVIS JAMES W ET AL) 10 August 1999 (1999-08-10)</p> <p>column 3, line 1 - line 19 column 5, line 42 - column 6, line 51 column 7, line 24 - column 8, line 32 column 9, line 1 - line 13 column 12, line 25 - column 14, line 13</p> <p>--- -/--</p>	1-6,11, 13,14, 19,25

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/26631

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SAMMONS N: "MULTI-PLATFORM INTERROGATION AND REPORTING WITH RSCAN" PROCEEDINGS OF THE SYSTEMS ADMINISTRATION CONFERENCE. LISA, 17 - 22 September 1995, pages 75-87, XP000575645 Monterey, CA, USA abstract; figures 1,2 page 75, left-hand column, line 25 - last line page 76, left-hand column, line 16 - line 47 page 77, left-hand column, line 5 -right-hand column, line 4 page 78, left-hand column, line 8 - line 14 page 80, right-hand column, line 8 -page 81, left-hand column, line 22 page 87, left-hand column, line 22 - line 26</p> <p>-----</p>	1-5, 13-15,25

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/26631

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0853277	A	15-07-1998	US 5913061 A	15-06-1999
			JP 10260825 A	29-09-1998
			US 6094688 A	25-07-2000
US 5892905	A	06-04-1999	JP 10247183 A	14-09-1998
US 5530861	A	25-06-1996	JP 5197573 A	06-08-1993
US 5937388	A	10-08-1999	US 6041306 A	21-03-2000
			US 5870545 A	09-02-1999
			US 6014673 A	11-01-2000

PATENT COOPERATION TREATY

PCT

REC'D 11 MAR 2002

WIPO

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 514592000140	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/26631	International filing date (day/month/year) 28/09/2000	Priority date (day/month/year) 29/09/1999
International Patent Classification (IPC) or national classification and IPC G06F9/46		
Applicant PETROVSKAYA, Anna		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.


2. This REPORT consists of a total of 6 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 24/04/2001	Date of completion of this report 07.03.2002
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Emander, K Telephone No. +49 89 2399 2044



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/26631

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-109 as originally filed

Claims, No.:

1-35 as originally filed

Drawings, sheets:

1/8-8/8 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/US00/26631

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims
	No:	Claims 1, 3-9, 11-19, 25, 30, 31
Inventive step (IS)	Yes:	Claims
	No:	Claims 2, 10, 20-24, 26-29, 32-35
Industrial applicability (IA)	Yes:	Claims 1-35
	No:	Claims

**2. Citations and explanations
see separate sheet**

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. The following documents are referred to in this report:

D1: US-A-5 530 861 (DIAMANT JOHN R ET AL) 25 June 1996 (1996-06-25)
D2: US-A-5 937 388 (DAVIS JAMES W ET AL) 10 August 1999 (1999-08-10)
D3: DAVID HOLLINGSWORTH: 'The Workflow Reference Model' WORKFLOW
MANAGEMENT COALITION SPECIFICATION, 29 January 1995 (1995-01- 29),
pages 1-55, XP002154804
D4: EP-A-0 853 277 (CROSSROADS SOFTWARE INC) 15 July 1998 (1998-07-
15)
D5: US-A-5 892 905 (BROWN KENNETH EDGAR ET AL) 6 April 1999 (1999-
04-06)

2. **Novelty of claim 1**

Document D1 discloses (**see column 2, line 5 to column 24, line 45**):

A system (**column 2, lines 5 to 11**) to coordinate the execution of a plurality of separate target computer systems (**column 16, lines 44 to 48**) to effectuate a [business] process, the system comprising:

(a) a core system (**column 2, lines 5 to 11**) for receding a request by a user to effectuate the process (**column 2, lines 5 to 67**), the request including user data upon which it is desired to effectuate the process and an indication of an action corresponding to the process (**column 2, lines 33 to 35**); and
(b) the core system further including a centralized execution controller (**task manager**) that controls and coordinates execution (**column 2, lines 5 to 49**) of the target computer systems based on the user data and execution rules (**column 2, lines 33 to 35, column 4, lines 17 to 21 and column 24, lines 19 to 45**) corresponding to the indicated action, thereby accomplishing effectuation of the process.

Therefore, all features of claim 1 are covered by document D1, thus rendering

claim 1 not new (Article 33(2) PCT).

A similar reasoning can be set forth for documents D2 to D5.

3. Novelty of claim 25

Document D1 discloses (**see column 2, line 5 to column 16, line 48**):

A system (**column 2, lines 5 to 11**) to coordinate the execution of a plurality of separate target computer systems (**column 16, lines 44 to 48**) to effectuate a [business] process, the system comprising:

- (a) user interface means (**column 4, lines 28 to 29**) for receiving a request by a user to effectuate the process (**column 2, lines 5 to 67**), the request including user data upon which it is desired to effectuate the process and an indication of an action corresponding to the process (**column 2, lines 33 to 35**);
- (b) engine means (**implicit in column 2, lines 26 to 31**) for generating a series of job orders based on the user data and execution rules corresponding to the indicated action; and
- (c) agent means (**column 4, lines 40 to 43**) for causing execution of the target computer systems based on the job orders, thereby accomplishing effectuation of the process.

Therefore, all features of claim 25 are covered by document D1, thus rendering claim 25 not new (Article 33(2) PCT).

A similar reasoning can be set forth for documents D2 to D5.

- 4** Dependent claims 2 to 24 and 26 to 35 do not appear to contain any features which, in combination with the features of any claim to which they refer, satisfy the criterion set forth in Article 33(2) and (3) PCT in respect of novelty and inventive step, the reasons being as follows:

- 4.1** The additional features of claims 3 to 9, 11 to 19, 30, 31 appear to be already known, see respectively D5, column 8, line 1 to column 9, line 4; D2, column 7,

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/US00/26631

lines 41 to 60; D2, column 5, lines 60 to 64 and column 7, lines 27 to 48; D2, column 7, lines 32 to 40; D1, column 12, lines 56 to 66; D5, column 14, line 57 to column 15, line 24; D5, column 14, line 57 to column 15, line 24; D3, page 12, lines 24 to 29; D2, column 5, lines 60 to 64 and column 7, lines 27 to 48; D3, page 12, lines 24 to 29; D2, column 7, lines 41 to 60; D3, page 35, line 19 to page 37, line 23; D1, column 4, lines 32 to 49; D1, column 4, lines 22 to 57; D1, column 4, lines 22 to 57; D1, column 7, line 61 to column 8, line 57; D3, page 44, line 1 to page 45, last line; D1, column 4, lines 32 to 49.

- 4.2 The additional features of claims 10, 20 to 24, 26 to 29, 32 to 35 appear to be derivable from the prior art, see respectively D3, page 31, lines 21 to 27 and page 38, lines 20 to 28; D4, column 16, lines 6 to 18 and column 19, line 58 to column 20, line 58 (claims 20 to 22); D1, column 2, line 5 to column 3, line 2 and column 4, lines 17 to 61; D4, column 16, lines 6 to 18 and column 19, line 58 to column 20, line 58; D3, page 8, line 1 to last line, page 22, line 14 to page 23, last line and page 47, lines 1 to 19 (claims 26 to 29 and 32); D3, Figure 3 and page 14, line 30 to page 15, line 13.
- 4.3 The additional feature of claim 2 seems to contain nothing but implementation details within the normal practice of the skilled person.

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 April 2001 (05.04.2001)

PCT

(10) International Publication Number
WO 01/24002 A3

(51) International Patent Classification⁷: **G06F 9/46**

(21) International Application Number: PCT/US00/26631

(22) International Filing Date:
28 September 2000 (28.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/156,809 29 September 1999 (29.09.1999) US

(71) Applicant and

(72) Inventor: **PETROVSKAYA, Anna** [RU/US]; 11655
Wildflower Court, Cupertino, CA 95014 (US).

(74) Agent: **HODES, Alan, S.**; Morrison & Foerster, LLP, 755
Page Mill Road, Palo Alto, CA 94304-1018 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,

DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

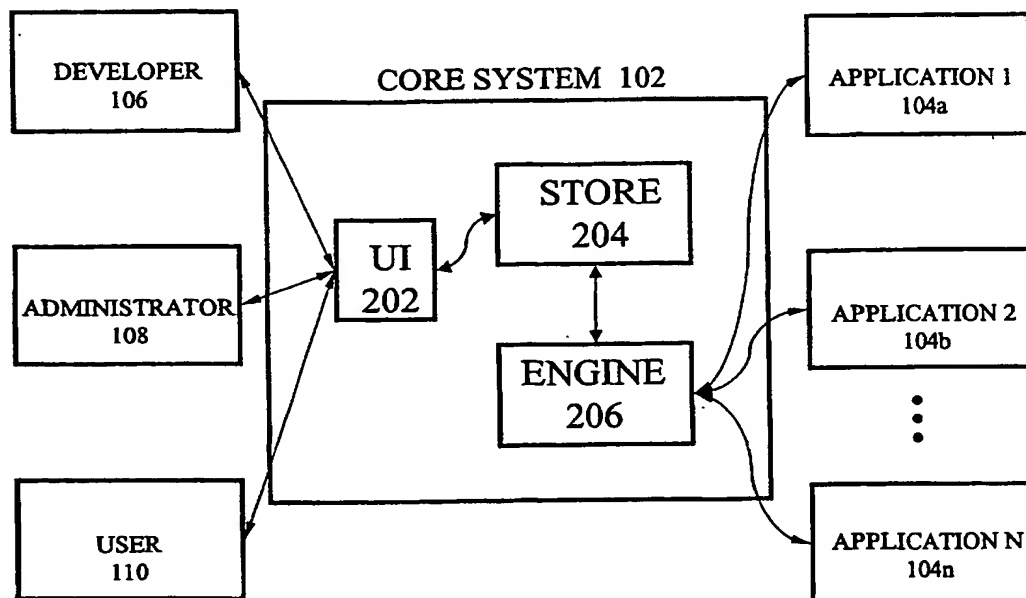
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

(88) Date of publication of the international search report:
7 March 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM TO COORDINATE THE EXECUTION OF A PLURALITY OF SEPARATE COMPUTER SYSTEMS TO EFFECTUATE A PROCESS



(57) Abstract: A system is provided to effectuate steps of a process such as a business process. A core system receives a request by a user to effectuate the process, along with user data upon which it is desired to effectuate the process. A coordinating system causes and coordinates execution of a plurality of target computer systems based on the indication of the action and user data, to accomplish effectuation of the process.

INTERNATIONAL SEARCH REPORT

International Application No.

PC/... 00/26631

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F9/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DAVID HOLLINGSWORTH: "The Workflow Reference Model" WORKFLOW MANAGEMENT COALITION SPECIFICATION, 29 January 1995 (1995-01-29), pages 1-55, XP002154804 page 6, line 1 -page 7, line 6; figures 1-4,6,7,11-13 page 8, line 1 - last line page 12, line 17 -page 14, line 15 page 16, line 4 - line 7 page 22, line 14 -page 23, last line page 25, line 19 -page 26, line 20 page 28, line 8 - line 10 page 31, line 1 - line 23 page 35, line 19 -page 37, line 23 page 38, line 20 - line 28 page 44, line 1 -page 45, last line	1,2,4-6, 10-13, 15-18, 25-35
A	-/--	23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

27 June 2001

Date of mailing of the international search report

04/07/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040. Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Carciofi, A

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 00/26631

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p style="text-align: center;">---</p> <p>EP 0 853 277 A (CROSSROADS SOFTWARE INC) 15 July 1998 (1998-07-15)</p> <p>column 1, line 46 - line 52 column 2, line 14 - line 24 column 4, line 46 - column 5, line 2 column 5, line 35 - line 45 column 13, line 46 - line 56 column 16, line 6 - line 57 column 19, line 58 - column 20, line 58</p>	<p>1,2,6,7, 13,14, 19-21,25</p>
Y		22,24
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International Application No.
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